Early 2010 review of progress in implementing the 2009-2011 biennial science work plan (identified as items 2.1.1 through 3.2.7) and science-dependent near-term actions from the Action Agenda (identified as NTA #.#)

BSWP action / Near-term Action (NTA)	February 2010 Status	Need / Gap
Analyze existing and evolving information with the best		
2.1.1 Continue existing monitoring (NTAs E.3.1 and E.1.15)	PSAMP studies continue; no oversight by committees; some cuts underway or proposed to some studies (PSAMP and other)	Oversight and coordination of existing monitoring –through development of coordinated monitoring program
2.1.2.1 Inform development of ecosystem indicators through IEA process and Phase 2 of indicator project (part of NTA E.3.3; related to NTA E.1.3)	NWFSC projects on IEA and Phase 2 indicators. Phase 2 indicators effort used to inform PSP 2009 work on open standards and reporting indicators PS Science Update Section 1 linkage to NWFSC IEA	Understand timing and deliverables from NWFSC projects and their and others' ideas of next steps facilitated by PSP science staff working on IEA coordination?
2.1.2.2 Evaluate current status and primary threats and drivers to indicators across the system (part of NTA E.3.3)	NWFSC project on marine food web and marine-watershed linkages. PS Science Update sections 2 and 3	Understanding timing and deliverables from NWFSC projects and their and others' ideas of next steps – facilitated by PSP science staff working on IEA coordination?
2.1.2.3 Coordinate IEA efforts (part of NTA E.3.3)	PSP science staff position funded (part of 1 FTE for 1 year); awaiting hire of Science Program Dir.	Science Program Director develops staffing plan and recruits and fills to address this need
2.1.2.4 Explore potential future conditions through future scenarios modeling (part of NTA E.3.3)	PSP science staff position funded for coordination (part of 1 FTE for 1 year); awaiting hire of Science Program Dir. PSNERP findings from future risk assessment project available and being used to depict effects on ecosystem components	Science Program Director develops staffing plan and recruits and fills to address this need Funding to extend coordination beyond first year and to extend FRAP to other scenarios, endpoints, etc.

BSWP action / Near-term Action (NTA)	February 2010 Status	Need / Gap
Conduct priority scientific investigations 2.2.1 Conduct scientific investigations in support of adaptive management for nearshore restoration (part of NTAs E.3.4 and B.1.2)	ESRP and SRFB coordinating approaches to toring effectiveness of nearshore restoration cts PSNERP developing a monitoring and adaptive management approach PSP staff and SP members have plans to convene restoration program managers and stimulus-funded project managers	Funding for studies Coordinate work by SRFB, ESRP, PSNERP, NOAA, and others to develop collaborative, complementary approaches. Obtain funding for coordinated monitoring of restoration projects Describe information flows to ensure learning and adaptation
2.2.2 Conduct scientific investigations of watershed-wide pollutant loading and effects of surface water runoff (part of NTA E.3.4)	Stormwater work group's study design and implementation plan to be completed by June 2010 Surface runoff projects within toxics loading study (especially Phase 3 project in 2 basins) ENVVEST in Sinclair/Dyes	Funding for studies Coordination of Stormwater Work Group design & plan with other efforts
2.2.3 Conduct scientific investigations of stressors affecting the Puget Sound pelagic food web and forage fish restoration (part of NTA E.3.4) 2.2.4 Conduct scientific investigations of ecosystem services and socioeconomic indicators (part of NTA E.3.4)	PSAMP fish contaminants and effects studies NWFSC IEA modeling of marine food web PSNERP studies PS Science Update Section 1 and 2B	Funding for studies Convene work group to clarify timing and deliverables from various efforts and discuss next steps Funding for studies Convene work group to discuss next steps?
Synthesize, integrate, and communicate the current be 2.3.1 Prepare 2009 State of the Sound (NTA E.3.5)	est answers to the Action Agenda four questions Completed ecosystem status background document and ecosystem status section of	Based on findings of PS Science Update and development of PSP
(1177 2.0.0)	SOS in October 2009	performance management system develop 2011 SOS

BSWP action / Near-term Action (NTA)	February 2010 Status	Need / Gap
2.3.2 Prepare 2010 Puget Sound Update (NTA E.3.6)	Author teams preparing sections 1, 2A, 2B, 3, and 4 for production of peer-reviewed documents by April or June 2010	Firm up approach to synthesis section (or separate document) and summary of policy makers
		Maintaining wiki and develop future version of synthesis and summary
Create and enhance the elements of a sustained scien		
3.1.1.1 Support ongoing efforts to improve ecosystem monitoring in Puget Sound regions (part of NTAs E.3.2 and E.1.11; also NTA C.2.1)	Bruce Wulkan of PSP staff active member of Stormwater Work Group	Link these efforts into developing coordinated monitoring program
	Rebecca Ponzio and David St. John active with RITT and others in developing salmon recovery monitoring and adaptive management plans (using Open Stds at watershed scale)	Switch PSP representative on the Washington Monitoring Forum to Science Program Director or Nathalie Hamel?
	Jim Cahill represents PSP at Washington Monitoring Forum	
	River & stream status and trend monitoring baseline Puget Sound in 2009; remote sensing pilot in 3 PS watershed funded by SRFB in late 2009	
3.1.1.2 Develop and implement a coordinated regional monitoring program (part of NTA E.3.2)	Nathalie Hamel on PSP staff as of 2/1/10 SP discussion of program development at	Develop Steering Committee, work groups and technical committee
	February meeting	Funding for PSP staff & work group coordination
	LC will discuss governance of program at PSP or at independent institute in July 2010	
3.1.2.1 Participate in modeling/assessment work groups (part of NTA E.3.8)	ad hoc (perhaps participation by some SP members: Newton? Johnston?)	Define expectations for staff and SP members
		Science Program Director develops specific plan

BSWP action / Near-term Action (NTA)	February 2010 Status	Need / Gap
3.1.2.2 Develop capability for modeling of future	Funded as part of IEA-modeling science	Science Program Director develops
scenarios and predicting ecosystem effects of	staffer at PSP; awaiting Science Program Dir.	staffing plan and recruits and fills to
management strategies		address this need
(NTA E.3.10)		
3.1.3.1 Identify emerging research needs	Nothing specific but expect this will be	Confirm 2010 approach via PS Science
(parts of NTA E.3.11 and E.3.7)	covered for 2010 by PS Science Update	Update and discuss additional work
	sections and synthesis	needed in advance of next BSWP
3.1.3.2 Develop and issue an RFP reflecting	Not begun – no funds allocated to this	Work with EPA, Sea Grant, others, to
emerging research needs		define possible approaches
(part of NTA E.3.11)		
3.1.4.1 Develop a science education, training and	Not begun	
outreach assistance framework		
(related to NTA E.3.8)		
3.1.4.2 Provide access to scientific expertise and	Not begun	
translation of scientific content		
(related to NTAs E.3.8 and E.4.2)		
3.1.4.3 Explore opportunities for Puget Sound intern	Not begun	
and fellowship programs		
(related to NTA E.3.8)		
3.1.5.1 Establish information management working	Not begun – although a related group meets	Clarify path if chief IT officer position no
group	to advise PSP's exchange network grant	longer being pursued
(part of NTA E.1.6)		
3.1.5.2 Develop information management detailed	Not begun	Clarify path if chief IT officer position no
work plan		longer being pursued
(part of NTAs E.1.6 and E.1.15)		
3.1.5.3 Participate in information management	Not begun	
working group		
(part of NTA E.1.6)		nd
3.1.5.4 Develop data exchange for key data sets	PSP's exchange network grant is advancing	Decide 2 nd flow and identify other key
(part of NTA E.1.14)	data exhange for juvenile salmon information.	data sets for exchange flows.
	Second flow not decided as of Jan 2010	
3.1.5.5 Implement information exchange network	Proceeding only through PSP's exchange	Need to clarify staffing approach and
(parts of NTA E.1.14 and E.1.15)	network grant: 2 new flows and a PSP client	importance & urgency. Needs working
	application.	group and CITO-type lead.

BSWP action / Near-term Action (NTA)	February 2010 Status	Need / Gap
Organization and procedures		
3.2.1 Complete Strategic Science Plan	Review version complete and posted on web	Consider comments and revisions; SP
(part of NTA E.3.8)	in Jan 2010	send to LC for formal adoption
	Comments to be discussed by SP at April meeting	
3.2.2 Develop process for soliciting science efforts via competitive RFPs (part of NTA E.3.9)	Funds for setting up peer review process at PSP – awaiting Science Program Dir.	
3.2.3 Establish procedures for timely peer review of technical material used by the Partnership (part of NTA E.3.9)	Funds for setting up peer review process at PSP – awaiting Science Program Dir.	
3.2.4 Establish processes for periodic external review of the overall science program; possibly coordinated with WSAS "assessment of basin-wide restoration	Proposal to accomplish periodic review via WSAS assessment in discussion within PSP in Jan 2010. First assessment in 2011?	Agreement on timing and WSAS approach
progress" (part of NTA E.3.9)		Funds and scope for 2011 assessment
3.2.5 Oversee Partnership-sponsored science (part of NTA E.3.8; related to NTA E.4.2)	SP through this sheet and periodic discussions of science work	Clarify: what is Partnership-sponsored science in 2009-11? (see last page of this sheet) what elements need
	SP members by individual engagement?	oversight?
	SP members by engagement in cross- Partnership work groups	Clarify staff and SP and SP member roles in oversight
3.2.6 Develop working groups to support implementation of BSWP activities (part of NTA E.3.8)	Not begun, not funded beyond some contract funds for monitoring program development	Funds for work group coordination
3.2.7 Coordinate with science programs of state and federal agencies (NTA E.3.12)	Not begun	Clarify needs and expectations for staff, SP, members
Near-term Actions (NTAs) requiring science oversight	of work plan and execution	
NTA A.1.3 Complete watershed assessments to		
identify sites and functions for protection		
NTA A.3.3 Develop and implement flow protection		
and enhancement programs		
NTA A.5.3 Develop a Puget Sound baseline and		
database of invasive species		

BSWP action / Near-term Action (NTA)	February 2010 Status	Need / Gap
NTA A.5.4 Enhance and target capacity to respond to		
invasive species risks		
NTA D.1.6 Implement priority hatchery reform		
recommendations		
NTA E.1.1 Clarify role of LC, ECB, SP		
NTA E.1.2 Revise NTAs		
NTA E.1.3 Develop specific benchmarks for outputs,		
intermediate outcomes, and environmental outcomes		
NTA E.1.4 Develop a detailed work plan for NTAs		
NTA E.1.7 Convene a performance management		
working group to design systems		
NTA E.1.8 Develop an activity integration database to		
support accountability		
NTA E.1.9 Develop a schedule and process to		
update the NTAs and revise Action Agenda		
strategies		
NTA E.1.12 Develop a system to identify and track		
actions that are inconsistent with the Action Agenda		
NTA E.2.12 Develop proposals for 2011-13 for use of		
ecosystem markets		
NTA E.2.13 Implement a cap-and-trade program for		
the removal of impervious surface and/or shoreline		
armoring		
NTA E.4.10 Develop and implement a coordinated		
citizen science program		
Near-term Actions (NTAs) that require coordination of e	expertise and peer review	
NTAs in Priority A with need for science expertise		
and review: • prepare criteria for acquisition/protection		
prepare criteria for acquisition/protectiondefine no-net-loss for use in guidance to local		
governments		
set and update flow rules		
 define immediate risk of conversion for working 		
lands		
14.140		

BS	WP action / Near-term Action (NTA)	February 2010 Status	Need / Gap
NT	As in Priority B with need for science expertise		
and	d review:		
•	define processes with high likelihood of re-		
	creating function		
•	define significant blockages to fish habitat		
•	demonstrate clean up and restoration at Port		
	Angeles		
•	coordinate cleanup of Bellingham Bay		
•	control and remediate pollution in Duwamish		
NT	As in Priority C with need for science expertise		
and	d review:		
•	implement immediate remediation actions to		
	address Hood Canal low D.O.		
•	implement priority strategies to address low D.O.		
	in S. Sound, Whidbey basin, and elsewhere		
•	retrofit stormwater systems		
•	define nutrient sensitive and shellfish recoverable		
	areas for advanced wastewater treatment		
•	develop and implement on-site sewage system		
	management plans in each county		
•	define areas with loading issues or vulnerability		
	to be targeted by on-site sewage treatment loan		
	and grant programs		
•	implement remediation and clean-up projects		
•	refine prioritization criteria for site clean ups		
	As in Priority D with need for science expertise		
and	d review:		
•	coordinate implementation of existing plans and		
	programs		
•	integrate and coordinate recommendations of		
	climate change study groups		
•	integrate work of PSNERP & ESRP in		
	Partnership		

BSWP action / Near-term Action (NTA)	February 2010 Status	Need / Gap
NTAs in Priority E with need for science expertise		
and review:		
 negotiate performance agreements with 		
implementers		
 review and approval of Action Agenda as 		
required by NEP		
 increase training for education and outreach 		
providers in up-to-date tools and techniques		